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PPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,581	0	4/20/2001	Fred Allegrezza	03224.0001U1 1423	
23859	7590	09/11/2006		EXAMINER	
NEEDLE &	k ROSEN	BERG, P.C.		LAMBRECHT, C	HRISTOPHER M
SUITE 1000 999 PEACH		REET		ART UNIT	PAPER NUMBER
ATLANTA,					
				DATE MAILED: 09/11/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		09/839,581	ALLEGREZZA, FRED
(Office Action Summary	Examiner	Art Unit
		Christopher M. Lambrecht	2623
Th Period for Re	e MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address
A SHORT WHICHEN - Extensions after SIX (6 - If NO perio - Failure to re Any reply re	ENED STATUTORY PERIOD FOR REPLY /ER IS LONGER, FROM THE MAILING DA of time may be available under the provisions of 37 CFR 1.13 () MONTHS from the mailing date of this communication. d for reply is specified above, the maximum statutory period we sply within the set or extended period for reply will, by statute, exceived by the Office later than three months after the mailing ent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).
Status			
1)⊠ Res	ponsive to communication(s) filed on <u>06 Ar</u>	<u>oril 2006</u> .	
·=	<i>'</i> —	action is non-final.	
•	e this application is in condition for allowar	•	
ClOs	ed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.
Disposition of	of Claims		
4a) (5)	m(s) 1-24,49 and 50 is/are pending in the a Of the above claim(s) is/are withdrav m(s) is/are allowed. m(s) 1-24,49 and 50 is/are rejected. m(s) is/are objected to. m(s) are subject to restriction and/or	vn from consideration.	
Application F	Papers		
10)□ The App Rep	specification is objected to by the Examine drawing(s) filed on is/are: a) accellicant may not request that any objection to the dacement drawing sheet(s) including the correctionath or declaration is objected to by the Ex	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).
Priority unde	r 35 U.S.C. § 119		
12)	nowledgment is made of a claim for foreign b) Some * c) None of: Certified copies of the priority documents Certified copies of the priority documents	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No In this National Stage
2) Notice of D 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) In Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Is)/Mail Date 7/19/2002.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 3–13, 15–24, 49, and 50 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,370,605 to Chong, Jr. (Chong).

Regarding claim 1, figures 9 and 10 of Chong illustrate a system [32] comprising a plurality of storage devices [18A,B], a plurality of transfer nodes [34A–C], and a switch [36] arranged between the processors and the storage devices. Col. 14, ll. 8–16. Data is distributed is distributed across the plurality of storage devices, col. 7, ll. 5–14, 54–58; and each transfer node includes a processor [52], fig.4, col. 8, ll. 1–5. Upon receipt of a request for retrieving data, a processor is designated for handling the request. Col. 11, ll.34–38, describing receipt of a read command that identifies transfer node as the commands destination. The switch independently routes a request for retrieving data from the designated processor directly to the storage devices containing the requested

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data and independently routes responses from the storage devices directly to the designated processor. Col. 6, ll. 44–48, 58–64, col. 12, l. 47 – col. 12, l. 7.

As to claim 3, Chong discloses the system of claim 1, as discussed above, wherein the switch routes the request for retrieving data based on directory information obtained by the processor, col. 7, ll. 30–44.

As to claim 4, Chong discloses the system of claim 3, as discussed above, wherein the processor obtains the directory information from the storage devices, col. 7, ll. 59–67.

As to claims 5–7, Chong discloses the system of claim 1, as discussed above, further comprising at least one high speed, fiber channel network connected to the storage devices and arranged between the switch and the storage devices, col. 6, ll. 65–67; and wherein the switch accommodates a plurality of high speed networks and connected storage devices, col. 8, ll. 23–28.

As to claim 8, Chong discloses the system of claim 1, as discussed above, wherein the data is video stream data, col. 1, ll. 14–20.

As to claims 9 and 10, Chong discloses the system of claim 1, as discussed above, wherein storage devices are disk drives and the data is stored in a redundant array of inexpensive disks (RAID) format among the disk drives, col. 7, ll. 5–8.

As to claims 11 and 12, Chong discloses the system of claim 1, as discussed above, further comprising a high speed, asynchronous transfer mode (ATM) network

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[40A] for delivering the retrieved data from the designated processor to a client device [12], fig.3A, col. 6, l. 67 – col. 7, l. 4.

Regarding claim 13, Chong discloses the claimed method as discussed above with respect to claim 1.

As to claims 15–24, Chong discloses the method of claim 13, as discussed above, in conjunction with the limitations recited in claims 15–24; these limitations are addressed in the rejections of claims 3–12, above.

Regarding claim 49, see Chong as applied to the system of claim 4, above.

Regarding claim 50, see Chong as applied to the method of claim 16, above.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 2 and 14 rejected under 35 U.S.C. 103(a) as being unpatentable over Chong.

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Regarding claims 2 and 14, Chong discloses the system of claim 1 and method of claim 13, as discussed above, but fails to disclose a resource manager for designating a processor to handle a request, based on the load of each processor. Chong does disclose, however, that the processors are coupled in parallel to provide increased bandwidth. Col. 14, Il. 8–16. Official notice is taken that it was well known in the art at the time of Applicant's invention to implement parallel processor arrangements using a resource manager that designates a processor to handle an operation based on the load of each processor. By distributing load evenly among the processors, this implementation prevents inefficiencies that result from overloading and underloading of individual processors. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Chong to include a resource manager for designating a processor to handle a request, based on the load of each processor, for the benefit of enabling more efficient handling of data retrieval requests.

Response to Arguments

5. Applicant's arguments with respect to claims 1–24, 49, and 50 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

6. The following are suggested formats for either a Certificate of Mailing or Certificate of Transmission under 37 CFR 1.8(a). The certification may be included with all correspondence concerning this application or proceeding to establish a date of mailing or transmission under 37 CFR 1.8(a). Proper use of this procedure will result in such communication being considered as timely if the established date is within the required period for reply. The Certificate should be signed by the individual actually depositing or transmitting the correspondence or by an individual who, upon information and belief, expects the correspondence to be mailed or transmitted in the normal course of business by another no later than the date indicated.

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Signature:	 	
Registration Number:		

Please refer to 37 CFR 1.6(d) and 1.8(a)(2) for filing limitations concerning facsimile transmissions and mailing, respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Lambrecht whose telephone number is (571) 272-7297. The examiner can normally be reached on Mon-Fri, 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher M. Lambrecht Examiner Art Unit 2623

cml

HATTRAN

PRIMARY EXAMINER